

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) Coating for an interior surface of a steam-generating device, comprising a first layer deposited on the interior surface of the steam-generating device and a second layer deposited over the first layer, wherein the first layer is essentially impermeable to water and is thermally insulating and the second layer is hydrophilic,
wherein the second layer comprises inorganic particles, and
wherein the inorganic particles include clay particles or Al₂O₃ particles.
2. (Previously presented) The coating according to claim 1, wherein the second layer is a porous layer.
3. (Currently amended) The coating according to claim 1, wherein the first layer comprises at least one of a polyimide, polyamide-

imide, and enamel, phosphate glass, and a material derived by a sol-gel process.

4. (Currently Amended) The coating according to claim 3,
wherein the first layer comprises inorganic particles.

5. (Previously presented) The coating according to claim 1,
wherein the second layer comprises a phosphate glass.

6. (Cancelled)

7. (Cancelled)

8. (Previously presented) The coating according to claim 1,
wherein the second layer comprises particles with an average
diameter smaller than 1 μm .

9. (Currently Amended) The coating according to claim 1, wherein
a thickness of the first layer is between around 30 and to 100 μm

and that wherein the second layer is between 10 and 25 about 15 μm in thickness.

10. (Previously presented) The coating according to claim 9, wherein the steam-generating device is part of an electrical domestic appliance such as a steam iron, a system iron, a steamer, a garment cleaner, a heated ironing board, or a facial steamer.

11. (Currently amended) The coating accordingly according to claim 1, wherein the first coating is selected to adhere to a metal surface of the steam-generating device layer is adhered to the second layer.

12. (Currently Amended) The coating accordingly to claim 1, of the steam-generating device Coating for an interior surface of a steam-generating device, comprising a first layer deposited on the interior surface of the steam-generating device and a second layer deposited over the first layer, wherein the first layer is essentially impermeable to water and is thermally insulating and the second layer is hydrophilic, wherein a composition of the

first layer and the second layer is substantially similar and wherein properties at least one of porosity, density, particle volume fraction, layer thickness, and pore size of the first and second layers are determined by applying a different technique to deposit each of the first and second layers.

13. (Currently amended) The coating accordingly according to claim 12, wherein the first layer is applied by spraying the first layer onto the interior surface of the steam-generating device from a close-range selected to form initially a dense wet first layer.

14. (Currently amended) The coating accordingly according to claim 12, wherein the second layer is applied by spraying the second layer onto the first layer from a range selected to enable evaporation of solvent from sprayed droplets of the second layer before reaching a surface of the first layer.

15. (Currently amended) The coating accordingly to claim 1 of the steam-generating device Coating for an interior surface of a steam-generating device, comprising a first layer deposited on the

interior surface of the steam-generating device and a second layer deposited over the first layer, wherein the first layer is essentially impermeable to water and is thermally insulating and the second layer is hydrophilic, wherein a composition of starter materials of the first layer and the second layer are substantially similar and wherein properties at least one of porosity, density, particle volume fraction, and pore size of the first and second layers are determined by selecting different binder to filler ratios for each of the first and second layers.

16. (Currently Amended) The coating accordingly according to claim 1, wherein each of the first layer and the second layer are selected to have has a composition that is thermally stable.

17. (Currently amended) The coating accordingly according to claim 1, wherein the second layer is comprised of ~~mon~~^{mono}-aluminum phosphate binders filled with inorganic particles.

18. (Canceled)

19. (Currently amended) The coating accordingly according to claim 1, wherein compositions of the first and the second layers are selected to be cured during a same curing cycle to improve adhesion between the first and second layers.